

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		6 LEASE DESIGNATION AND SERIAL NO. NOG 8505-1087
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7 IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
2 NAME OF OPERATOR Chuska Energy Company		8 UNIT AGREEMENT NAME
3 ADDRESS OF OPERATOR P. O. Box 2118, Farmington, New Mexico 87499		9 FARM OR LEASE NAME NAVAJO TRIBAL A
4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1655' FSL & 370' FEL At proposed prod zone SAME		10 WELL NO 43-5
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		11 FIELD AND POOL, OR WILDCAT ANETH UNDESIGNATED
15 DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drilg unit line, if any)		12 COUNTY OR PARISH 13 STATE SAN JUAN UTAH
16 NO OF ACRES IN LEASE 5420		17 NO OF ACRES ASSIGNED TO THIS WELL 40
18 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT		20 ROTARY OR CABLE TOOLS Rotary
21 ELEVATIONS (Show whether DF, RT, GR, etc) 4508' GR		22 APPROX DATE WORK WILL START* 4/29/86

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached				

SEE ATTACHED

CONFIDENTIAL

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 4-14-86  
BY: John R. [Signature]  
WELL SPACING: 300'

RECEIVED  
APR 09 1986

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths Give blowout preventer program, if any

SIGNED <u>John Alexander</u>	TITLE <u>Vice-President</u>	DATE <u>4/07/86</u>
(This space for Federal or State office use)		
PERMIT NO <u>43-037-31258</u>	APPROVAL DATE	

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY

\*See Instructions On Reverse Side

COMPANY CHUSKA ENERGY COMPANY

LEASE NAVAJO TRIBAL "A"

WELL NO. 43-5

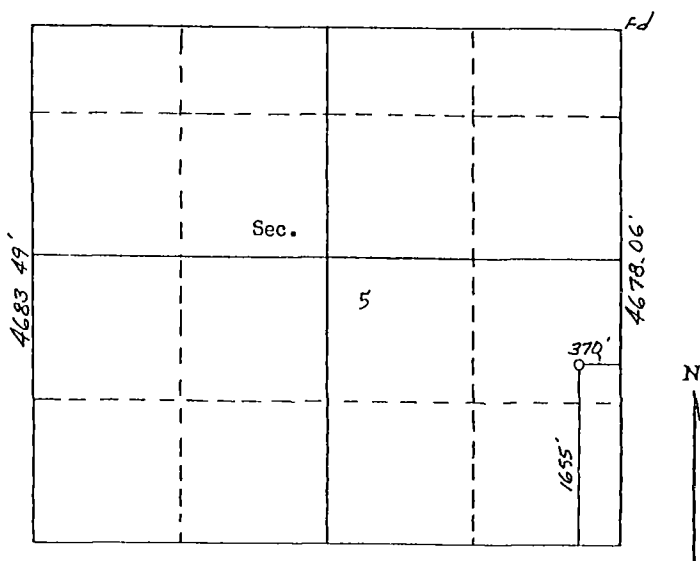
SEC 5, T 11S, R 23E

County: San Juan

State: Utah

LOCATION 1655'FSL & 370'FEL

ELEVATION 4508



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SEAL



William E. Matthe II  
Registered Land Surveyor

SURVEYED

March 20

86

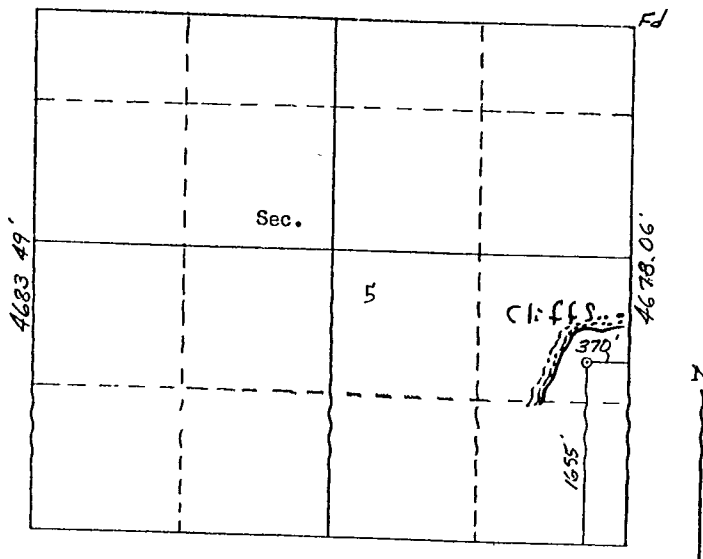
LEASE AJO TRIBAL "A" WELL NO. 43-5

SEC 5 T 11S R 23E

County: San Juan State: Utah

LOCATION 1655' FSL & 370' FEL

ELEVATION 4508



SCALE—1 INCHES EQUALS 1 MILE

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FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-  
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BEST OF MY KNOWLEDGE AND BELIEF.

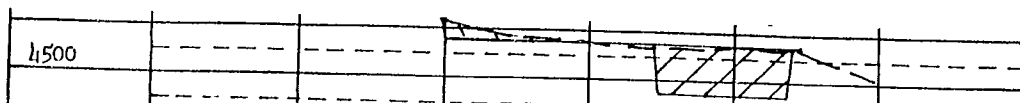
REAL:



W. E. Mahinkell  
Registered Land Surveyor

SURVEYED March 20 1986

FARMINGTON, N. M.



CHUSKA ENERGY CO.

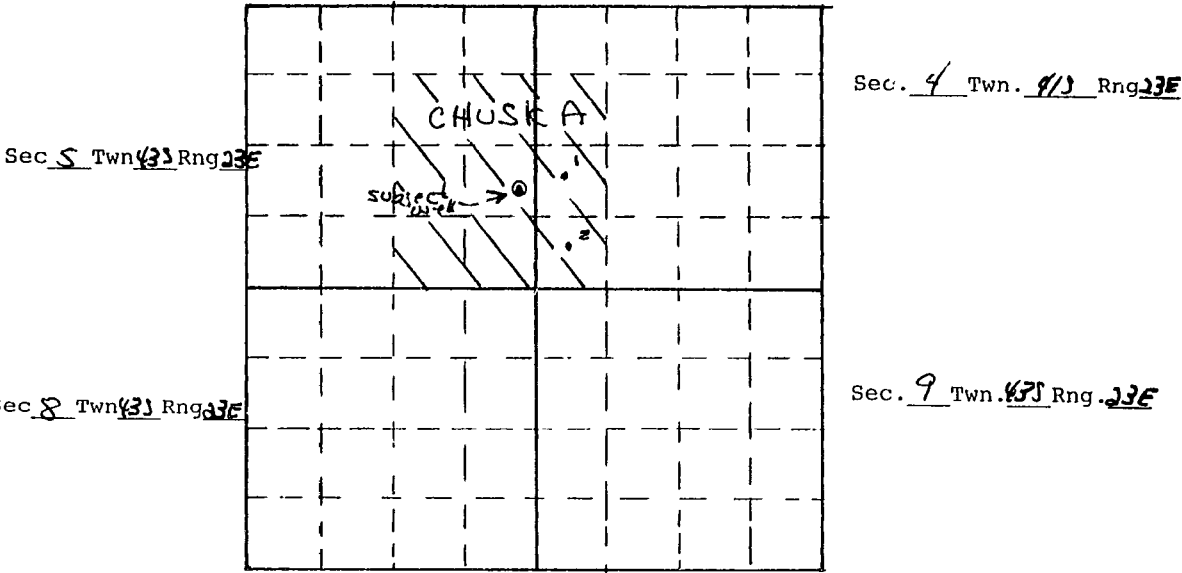
Offset Acreage and Wells:

Well: NAVAJO Tribal A # 43-5

Location: 1655' ASL # 370' FEL

County: SAN JUAN

State: UTAH



1. CHUSKA ENERGY CO. NAVAJO Tribal A # 13-4  
NW SW 4-41S-23E

2. CHUSKA ENERGY CO. NAVAJO Tribal A # 14-4  
SW SW 4-41S-23E

FORMATION INFORMATION AND  
DRILLING PRACTICES

Chuska Energy Co.  
Navajo Tribal A No. 43-5  
1655' FSL & 370' FEL  
5-41S-23E  
San Juan Co., Utah

1. Surface Formation: Ruff Sandstone

2. Estimated Formation Tops:

Chinle	1330'
DeChelly	2376'
Organ Rock	2481
Hermosa	4275'
Upper Ismay	5195'
Lower Ismay	5298'
Desert Creek	5397'
T.D	5543'

3. Estimated Depth of Anticipated Oil, Gas, Water or Minerals:

Oil 5298' Oil 5397'

4. Proposed Casing Program:

0-80' 13 3/8", 54.50 lb.ft., ST&C, J-55 new casing; cemented with 120 cu.ft. Class "B" + 1/4 lb. Flocele/sl. Cement to surface.

0-1600' 8 5/8", 24 lb.ft., ST&C, J-55 new casing; cemented with 800 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B" with 2% CaCl<sub>2</sub>. Cement to surface.

0-5543' 5 1/2", 15.50 lb.ft., ST&C, J-55, new casing; first stage cemented with 450 cu.ft. Class "H" containing 10 lb. Calseal/sl. and 10% salt. Cement top at 4,000'. Stage tool at 2500'. Cement second stage with 500 cu.ft. 65-35 Pozmix with 6% gel followed by 100 cu.ft. Class "B". Cement top at 1,000'.

5. Pressure Control Equipment - Blow Out Preventer:

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 800 psi prior to drilling from under surface pipe.

6. Drilling Fluids:

Depths	Type	Vis.	Weight	Fluid Loss
0-1600'	gel-lime	35-45	9.0	not controlled
1600'-4000'	gel-chem	35-45	9.5	15 cc.
4000'-t.d	gel-chem	45-50	10.0	9 cc.

7. Auxiliary Equipment:

- a. bit float
- b. stabbing valve to be used in drill pipe when Kelly is not connected.

8. Logging -- Coring -- Testing Program:

Logging - Open Hole: IES, CNL, FDC  
Mud: 4000' to t.d

Testing: possible in Lower Ismay and Desert Ck.

Coring: none planned

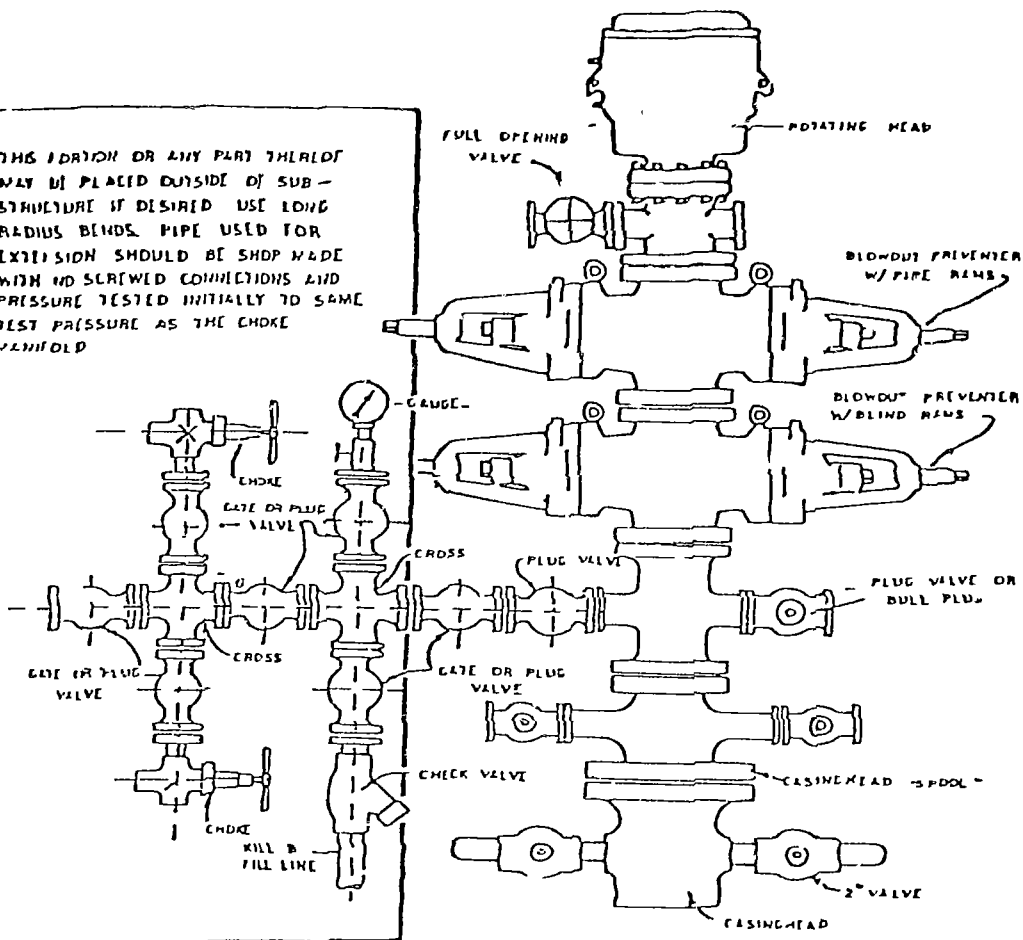
9. Abnormal Temperatures, Pressures, or Potential Hazards:

None expected.

10. Starting Date:

Anticipated starting date is April 29, 1986 . Approximately 5 days will be required to build roads and location. Drilling will take about 15 days. Completion should be accomplished in 6 days.

THIS PORTION OR ANY PART THEREOF  
MAY BE PLACED OUTSIDE OF SUB-  
STRUCTURE IF DESIRED. USE LONG  
RADIUS BENDS. PIPE USED FOR  
EXTENSION SHOULD BE SHOP WELD  
WITH NO SCREWED CONNECTIONS AND  
PRESSURE TESTED INITIALLY TO SAME  
TEST PRESSURE AS THE CHOKE  
MANIFOLD.



BLOWOUT PREVENTER HOOKUP



SURFACE USE PLAN

Chuska Energy Co.  
Navajo Tribal A No. 43-5  
1655' FSL & 370' FEL  
5-416-23E  
San Juan Co., Utah

1. Existing Roads (shown in green):

The attached topographic map shows all existing roads within one mile of the proposed location. All roads will bear normal drilling traffic and not have to be up graded.

2. Planned Access Road (shown in red):

The new access road will have a maximum grade of 10% and will be water barred to prevent erosion. The access will follow a portion of two rut road that will have to be improved and then have approximately 900' of new road. No gates, culverts or turnouts will be needed. Bar ditches will be used to keep the sandy road from washing. The width of the road with ditches will be 25'.

3. Location of Existing Wells:

The existing oil, gas, water, drilling and disposal wells are shown on the attached topographic map.

4. Location of Production Facilities:

All production facilities are to be contained within the proposed location site. Chuska operates a well northeast of the subject well that may share a gas sales line.

5. Location and Type of Water Supply:

Water will be trucked from the San Juan River, 4 miles North of the location. The point of water removal is located 0' FSL & 1500' FWL San Juan Co., Utah.

6. Source of Construction Materials:

Any gravel or other construction material that can not be obtained from the excess accumulated from building the location will be purchased from the Navajo Tribe.

7. Methods of Handling Waste Disposal:

All trash will be carried to a landfill or burned. All non-burnable materials (drilling fluids, cuttings, chemicals) will be stored in the reserve pit and then buried when they have dried. Any oil produced while drilling will be trucked from the location prior to leaving pit to dry. Pits will be completely fenced during drying time, then back filled with dirt prior to preparing the location for production or abandonment.

8. Human Waste:

A portable toilet will be supplied for human waste.

9. Ancillary Facilities:

No ancillary facilities are planned.

10. Well Site Layout:

The attached layout shows the drilling rig with all associated facilities. Cut and fill required is also indicated.

11. Plans for Restoration of Surface:

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting and if required by the land owner. Should well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed up and leveled. Both drill site and road will have any topsoil replaced and will be reseeded when germination can take place. In either case, cleanup of the site will include burning of any safely burnable material, filling of all pits, carrying away of all non-burnable material and any chemicals that cannot be safely buried and the hauling off of any oil that may have accumulated on the pits while drilling. A burn permit will be acquired if necessary. The surface is owned by the Navajo Tribe.

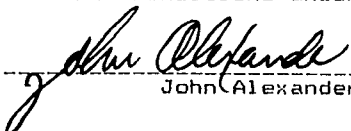
12. General Information:

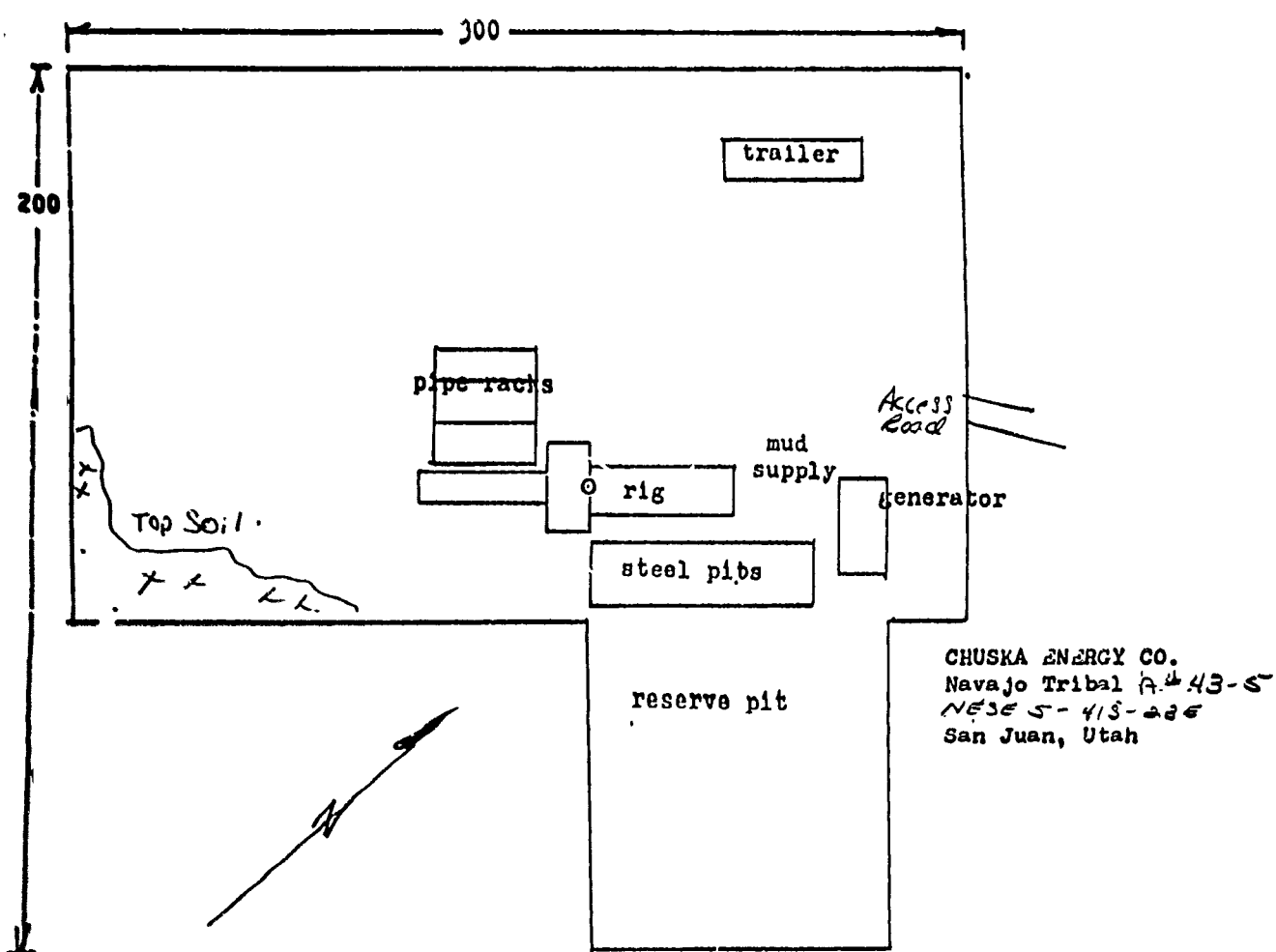
The site is in a sandy, flat area. It is covered with native weeds and grasses. No artifacts were found on the location. There are no residences in the area.

13. John Alexander  
Chuska Energy Co.  
P.O Box 2118  
Farmington, N.M 87499  
505-326-5525

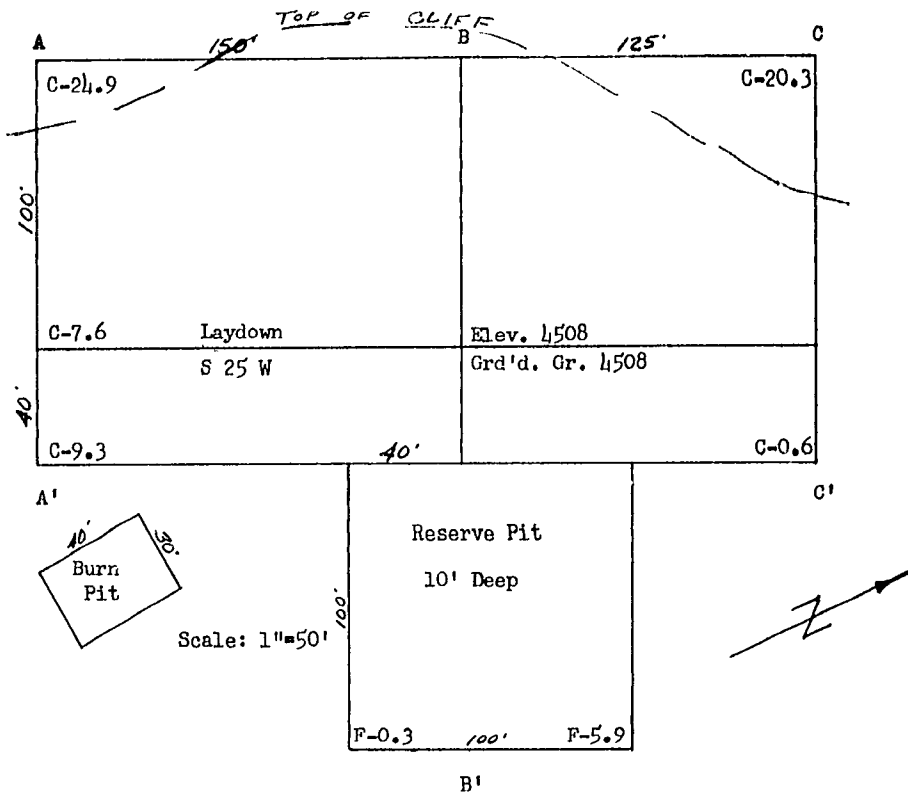
14.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Chusla Energy Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

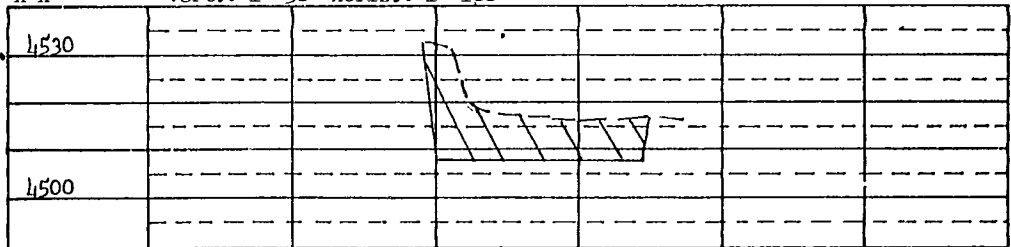
 Date 4/7/86  
John Alexander



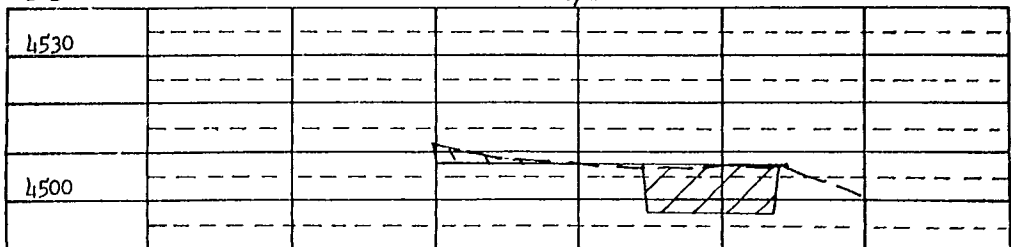
Profile for  
HUSKA ENERGY COMPANY  
#43-5 NAVAJO TRIBAL "A"  
1655' FSL & 370' FEL  
Sec. 5 T41S R23E  
San Juan County, Utah



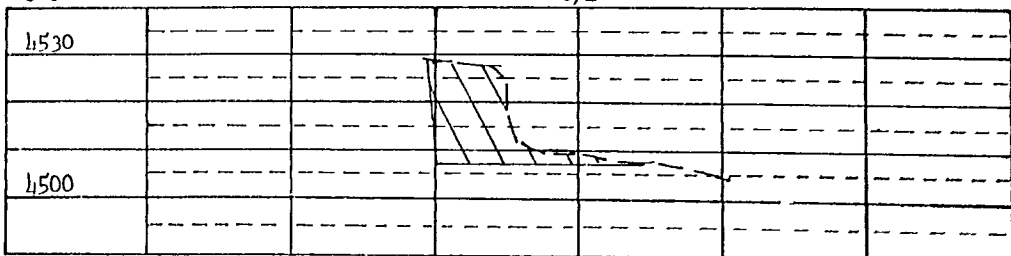
A-A' Vert.: 1"=30' Horiz.: 1"=100'

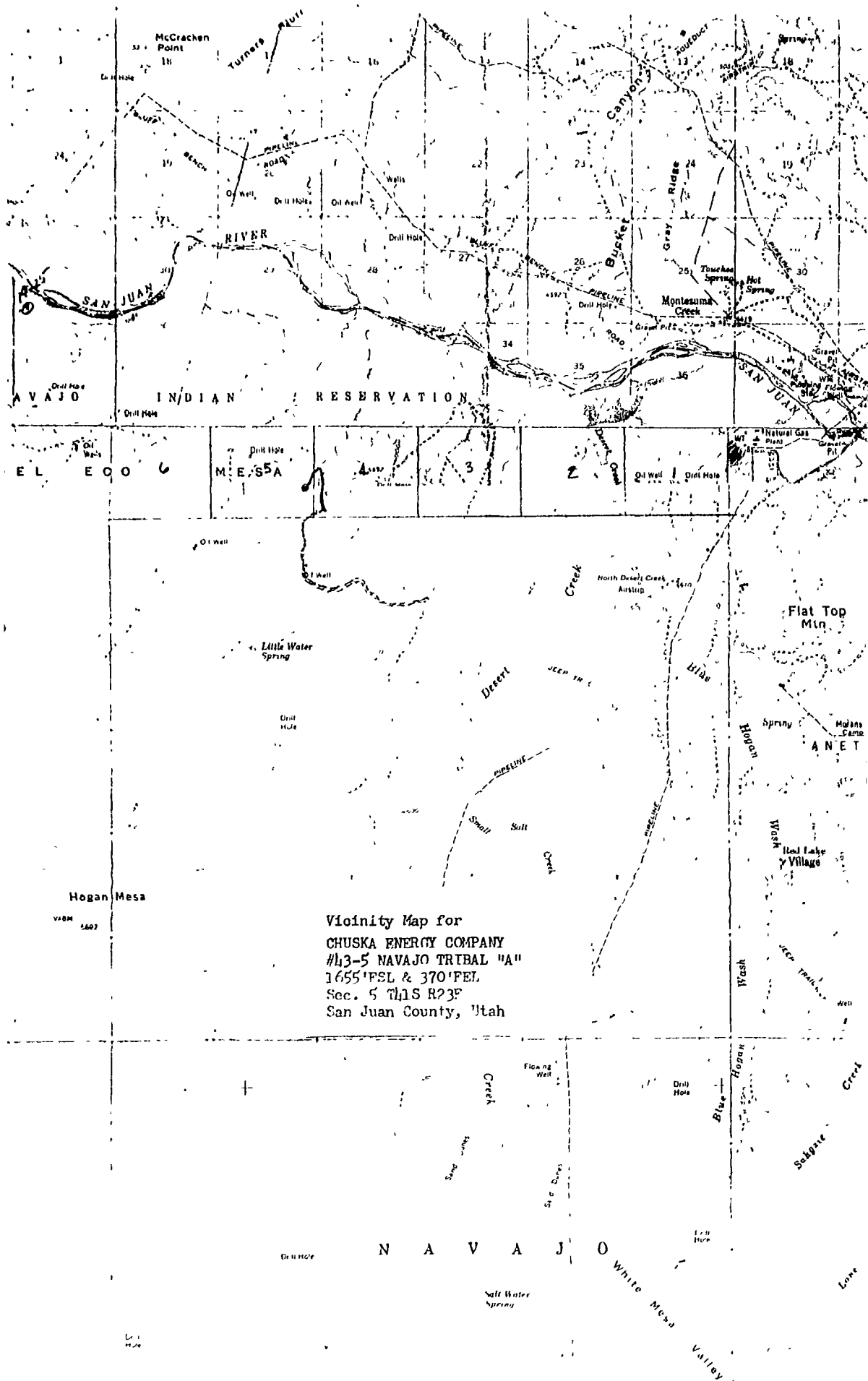


B-B' C/L



C-C' C/L





# FILING FOR WATER IN THE STATE OF UTAH

## APPLICATION TO APPROPRIATE WATER

030719

Rec by \_\_\_\_\_  
Fee Paid \$ \_\_\_\_\_  
Platted \_\_\_\_\_  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1469

APPLICATION NO. T61670

1. PRIORITY OF RIGHT: April 16, 1986

FILING DATE: April 16, 1986

2. OWNER INFORMATION

Name: Chuska Energy Company

Address: P.O. Box 2118, Farmington, NM 87499

The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 4.02 acre feet (Ac. Ft.)

4. SOURCE: San Juan River DRAINAGE: San Juan River

COUNTY: San Juan

POINT(S) OF DIVERSION:

(1) N. 0 feet, E. 1500 feet, from the SW Corner of Section 32,

Township 40 S, Range 24 E, SLB&M

Description of Diverting Works. Trucks

COMMON DESCRIPTION.

5. NATURE AND PERIOD OF USE

Oil Exploration From April 15 to November 15.

6. PURPOSE AND EXTENT OF USE

Oil Exploration: The drilling of oil wells.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN	RANGE	SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
✓ 41	S	23 E 4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
✓ 41	S	23 E 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

All locations in Salt Lake Base and Meridian

NAVAJO TRIBAL

A 14-4

43-037-31269 1A

"

"

A 43-5

43-037-31258 1A

EXPLANATORY

Chuska owns mineral rights at the usage location and has the right to drill oil and gas wells.

RECORDED



Chuska Energy Co.  
P.O. Box 2118  
Farmington, N.M. 87499

RECEIVED  
APR 10 1986

DIVISION OF  
OIL, GAS & MINING

Division of Oil, Gas, and Mining  
355 W. North Temple, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: District Engineer

Re: Nonstandard Location, Chuska Energy Co Navajo Tribal A No.  
43-5

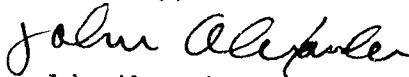
Gentlemen:

Chuska Energy Co. requests an unorthodox location for the subject well at 1655' FSL & 370' FEL, 5-41S-23E, San Juan Co. This request is based on topography.

Chuska owns all offset drilling tracts to the location.

A map showing the topograph restrictions and a plat of the offsetting acreage is attached

Sincerely,

  
John Alexander

CONFIDENTIAL

OPERATOR Columbia Energy Co DATE 4-11-86

WELL NAME Marip Indian A 43-5

SEC NE SE 5 T 41S R 23E COUNTY San Juan

43-037-31258

API NUMBER

Indian

TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST  
WELL

☒

LEASE

☒

FIELD

☒

POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other well within 420'

Need water permit

Exception requested

APPROVAL LETTER:

SPACING: ☐ 203 \_\_\_\_\_ UNIT

☐ 302

☐

CAUSE NO. & DATE

☒

302.1

STIPULATIONS:

1- Water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangert, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538 5340

April 14, 1986

Chuska Energy Company  
P. O. Box 2118  
Farmington, New Mexico 87499

Gentlemen:

Re: Well Name: Navajo Tribal A 43-5 - NE SE Sec. 5, T. 41S, R. 23E  
1655' FSL, 370' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Chuska Energy Company

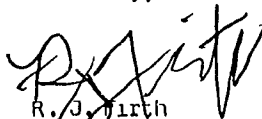
Well Name: Navajo Tribal A 43-5

April 14, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at each drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31258.

Sincerely,



R. J. Wirth  
Associate Director, Oil & Gas

as

Enclosures

cc: Branch of Fluid Minerals  
Bureau of Indian Affairs  
D. R. Nielson

8159T



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson Ph.D. Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City UT 84180-1203 • 801-538-5340

0611118

June 10, 1987

Chuska Energy Company  
P.O. Box 2118  
Farmington, New Mexico 87499

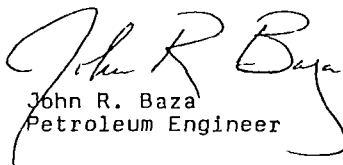
Gentlemen:

RE: Well No. Navajo Tribal A 43-5, Sec. 5, T. 41S, R. 23E,  
San Juan County, Utah, API NO. 43-037-3J258

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

  
John R. Baza  
Petroleum Engineer

sb  
cc: BLM-Farmington  
D. R. Nielson  
R. J. Firth  
Well file  
0327T-81